Emmet County, Iowa

and soil name	Pct. of map unit	I	d	Shallow excavati - 	ions Lawns and land		aping
		Rating class and limiting features 					
6: Okoboji	 	Depth to saturated zone Frost action	1.00 1.00 1.00	Depth to saturated zone 	11.00	 Very limited Depth to saturated zone 	 1.00
27: Terril		Low strength 	11.00	Depth to saturated zone	0.16		
27B: Terril		Low strength 	11.00	 Somewhat limited Depth to saturated zone 	0.16		
27C: Terril	 100 	Low strength 	11.00	 Somewhat limited Depth to saturated zone 	0.16	•	
28: Dickman	 100 	 Not limited 			1 1 1 0.90	 Not limited 	
28B: Dickman	1100	 Not limited 	 	 Very limited cutbanks cave		 Not limited 	
34: Estherville	 100 	 Not limited 		 Very limited cutbanks cave		 Somewhat limited Droughty	
34C2: Estherville	 100 	 Not limited 	 	. 4		 Somewhat limited Droughty	 0.10

Emmet County, Iowa

and soil name	Pct. of map unit	of streets map		 Shallow excavati 	ons	 Lawns and landsca 	nping
	 			Rating class and limiting features			
55: Nicollet	 	Frost action	11.00	Depth to saturated zone	 0.73	 Not limited 	
62C2: Storden		 Somewhat limited	0.50 0.50	 Not limited	 	 Not limited	
62D2: Storden	 90 	 Somewhat limited Slope	 	 Somewhat limited Slope		 Somewhat limited Slope 	 0.63
62D3: Storden	 90 	Slope		 Somewhat limited Slope 		 Somewhat limited Slope 	 0.63
62E: Storden		Slope				 Very limited Slope 	11.00
62E2: Storden		Slope		 Very limited Slope 		 Very limited Slope 	11.00
62F: Storden	 90 	Slope		 Very limited Slope 		 Very limited Slope 	1 1.00
62G: Storden		Slope		 Very limited Slope 		 Very limited Slope 	 1.00
72: Estherville	 95 	 Not limited 	 		 0.90	 Not limited 	

Emmet County, Iowa

and soil name			d	Shallow excavati 	ons	 Lawns and landsca 	ping
				Rating class and limiting features			
72B: Estherville	 95 	 Not limited 	 	' -	 0.90	 Not limited 	
73B: Salida	 100 	 Not limited 	 			 Very limited Droughty Gravel content	 1.00 0.12
73C2: Salida	1 100 1	 Not limited 	 	 Very limited cutbanks cave 			 1.00 0.12
73D2: Salida	 100 		 0.63 	cutbanks cave		Slope	 1.00 0.63 0.12
73G: Salida	 95 				1.00	Droughty	 1.00 1.00 0.12
90: Okoboji		Depth to saturated zone Frost action Low strength	11.00	Depth to saturated zone 	1.00	 Very limited Depth to saturated zone 	 1.00
95: Harps	 	Depth to saturated zone Frost action Low strength	11.00	Depth to saturated zone 	1.00	 Very limited Depth to saturated zone 	 1.00

Emmet County, Iowa

and soil name	Pct. of map unit	streets	d	 Shallow excavati 	ons	 Lawns and landsca 	aping
	 			Rating class and limiting features			
107: Webster		Depth to saturated zone Frost action Low strength	11.00	saturated zone 	11.00	 Very limited Depth to saturated zone 	1 1.00
108: Wadena	 95	 Not limited	 	 Not limited	 	 Not limited	
133: Colo	 	Depth to saturated zone Frost action Flooding Low strength	11.00	saturated zone Flooding 	11.00	 Very limited Depth to saturated zone Flooding 	 1.00 0.60
135: Coland	 	Depth to saturated zone Frost action Flooding Low strength	1.00 	Depth to saturated zone Flooding 	1.00 	 Very limited Depth to saturated zone Flooding 	11.00
138B: Clarion		 Somewhat limited Frost action		 Not limited 		 Not limited 	
138C: Clarion	 100 		10.50	 Not limited 		 Not limited 	
138C2: Clarion			1 1 1 1 0.50	 Not limited 		 Not limited 	
138D: Clarion	 95 	Slope	 0.63 0.50		 0.63	 Somewhat limited Slope 	 0.63

Emmet County, Iowa

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	Lawns and landsca	aping
				Rating class and limiting features			
138D2: Clarion		Slope					 0.63
221: Palms		Depth to saturated zone Subsidence	1.00 1.00	Depth to Saturated zone Content of organic matter	1.00 1.00	Content of	11.00
224: Linder		•	1.00 	Depth to saturated zone	0.95	İ	
236B: Lester		Low strength Shrink-swell	 1.00 0.50 0.50	İ		 Not limited 	
236C: Lester		Low strength Shrink-swell	11.00	İ		 Not limited 	
236D: Lester	 - 90 	Low strength Slope Shrink-swell			 0.63 	 Somewhat limited Slope 	0.63
236F: Lester	1	Slope Low strength Shrink-swell		Slope 		 Very limited Slope 	11.00

Emmet County, Iowa

and soil name	Pct. of map unit	streets	d	Shallow excavati 	ons	 Lawns and landsca 	aping
	 	 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features 	
236G: Lester	 95 	 Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00
259: Biscay	 95 	Depth to saturated zone Frost action Low strength		 Very limited Depth to saturated zone 	 1.00 	 Very limited Depth to saturated zone 	11.00
354: Histosols	 100 		1.00 		 1.00 1.00 1.00	saturated zone	 1.00 1.00 1.00
384: Collinwood	 95 	 Very limited Frost action Low strength Shrink-swell	 1.00 1.00 1.00	saturated zone	 0.82 0.28	 Not limited 	
390: Waldorf	 95 	 Very limited Depth to saturated zone Frost action Low strength Shrink-swell	 1.00 1.00 1.00 1.00	 Very limited Depth to saturated zone Too clayey 	 1.00 0.28 	saturated zone	11.00

Emmet County, Iowa

and soil name	Pct. of map unit	streets	d	Shallow excavati	ons	Lawns and landsca 	aping
	 	=		Rating class and limiting features		=	
485: Spillville		Flooding Low strength Shrink-swell	1.00 	saturated zone Flooding		 Somewhat limited Flooding 	 0.60
485B: Spillville	 95 	Low strength Shrink-swell	11.00	saturated zone	 0.61 	 Not limited 	
507: Canisteo	 	Depth to saturated zone Frost action Low strength	1.00	saturated zone		 Very limited Depth to saturated zone 	1.00
508: Calcousta	 	Depth to Saturated zone Frost action Low strength	1.00	Depth to saturated zone 	11.00	 Very limited Depth to saturated zone 	1 1.00
511: Blue Earth		Depth to saturated zone Frost action	1.00	saturated zone		 Very limited Depth to saturated zone 	1 1.00
511B: Blue Earth		Depth to saturated zone Frost action Shrink-swell	1.00	saturated zone	11.00	 Very limited Depth to saturated zone 	1.00

Emmet County, Iowa

and soil name	Pct. Local roads and of streets map unit			Shallow excavati -	ons	Lawns and landsca 	aping
	 			Rating class and limiting features			
524: Linder	 95 			·	0.95 	İ	
559: Talcot	 	Depth to saturated zone Frost action Low strength	1.00 1.00	Depth to saturated zone 	1.00		11.00
585B: Coland	 	Depth to saturated zone Frost action Flooding	1.00 1.00 1.00 1.00	Depth to saturated zone Flooding 	1.00 	 Very limited Depth to saturated zone Flooding 	1.00
Spillville	40 40 	Low strength Shrink-swell	11.00	•			
638B: Clarion			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited 		 Not limited 	
Storden	 45 	•	1 0.50	 Not limited 	 	 Not limited 	
638C2: Clarion	 50 		1 1 1 0.50			 Not limited 	
Storden	40	 Somewhat limited Frost action	1 0.50	 Not limited 		 Not limited 	
638D2: Clarion	 50 	 Somewhat limited Slope Frost action	 0.63 0.50		 0.63	 Somewhat limited Slope 	 0.63

Building Site Development

Emmet County, Iowa

± ±	Pct. of map unit	streets	d	Shallow excavati 	ons	 Lawns and landsca 	aping
				Rating class and limiting features			
Storden	i	Slope		Slope		 Somewhat limited Slope	 0.63
638E2: Clarion	İ	Slope		Slope		 Very limited Slope 	11.00
Storden	İ	Slope		•		 Very limited Slope 	11.00
639D2: Storden		Frost action		Slope		 Somewhat limited Slope 	 0.16
Salida			0.16	cutbanks cave	0.90 0.16	 Very limited Droughty Slope Gravel content	 1.00 0.16 0.12
655: Crippin	 	Frost action	11.00	Depth to saturated zone	0.95	 Not limited 	
707: Delft	 	Depth to saturated zone Frost action Low strength	1.00	Depth to saturated zone 	1.00	 Very limited Depth to saturated zone 	11.00
733: Calco		saturated zone Frost action Flooding Low strength		saturated zone Flooding 	1.00 		1.00

Emmet County, Iowa

and soil name	Pct. of map unit	f streets p		Shallow excavati 	ons	Lawns and landsca 	ping
	 			Rating class and limiting features			
787B: Vinje	 100 	Low strength Shrink-swell	 1.00 0.50 0.50	İ		 Not limited 	
811: Muskego	 100 	Depth to saturated zone Subsidence 	1.00 1.00	organic matter	1.00 1.00	Depth to saturated zone Content of	11.00
823: Ridgeport	 95 	 Not limited 		 Very limited cutbanks cave	•	 Somewhat limited Droughty 	10.23
828B: Zenor	 90 	 Not limited 	 	 Very limited cutbanks cave		 Somewhat limited Droughty	0.05
828C2: Zenor	 85 	 Not limited 	 	 Very limited cutbanks cave		 Somewhat limited Droughty	10.05
879: Fostoria	 95 	Frost action 	1.00	Depth to saturated zone	 0.95 	 Not limited 	
956: Okoboji	 60 	Depth to saturated zone Frost action Low strength	11.00	saturated zone	1.00	 Very limited Depth to saturated zone 	 1.00
Harps	 35 	Depth to saturated zone Frost action Low strength	 1.00 1.00 1.00 0.50	saturated zone 	11.00	 Very limited Depth to saturated zone 	11.00

Emmet County, Iowa

Map symbol and soil name	Pct. of map unit	streets	d	Shallow excavations 		Lawns and landscaping 	
	 	=		Rating class and limiting features		=	
1133:		 		 		 	
Colo	90			-		Very limited	
		Depth to saturated zone		Depth to		Depth to saturated zone	1.00
	1	•	11.00	saturated zone Flooding	10.60	•	10.60
	i	•	11.00	=	1	I I I I I I I I I I I I I I I I I I I	10.00
	i		11.00		i	i I	i
	į	-	0.50		į		į
458:		 		 		 	
Millington	90	Very limited		Very limited		Very limited	1
				Depth to	1.00	Flooding	11.00
		saturated zone					
		Frost action	11.00	Flooding	10.80	Depth to saturated zone	1.00
	1	 Flooding	11.00	1	1	Saturated zone	1
	<u> </u>	,	11.00	!	i	 	i
.585:							
.383: Coland	I 60	 Very limited	1	 Very limited	1	 Very limited	l I
Column	1			Depth to	11.00	-	11.00
	j	saturated zone	i	saturated zone	i	i I	i
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
	1	 Flooding	11.00	1	1	Saturated Zone	1
	i		11.00		İ	! 	i
	į	-	0.50		į		į
Spillville	30	 Very limited		 Somewhat limited		 Somewhat limited	
-	j	-	11.00		0.61	Flooding	10.60
		I		saturated zone		I	1
				Flooding	10.60	I	1
			0.50			<u> </u>	1
	1	Frost action	0.50 	 		 	l I
.707B:	i	İ	i	İ	i	İ	i
Delft	60	•		Very limited		Very limited	1
						Depth to	1.00
				saturated zone		saturated zone	1
	1	Frost action Low strength	1.00 1.00		1	 	1
			10.50				
Terril	1 30	 Very limited		 Somewhat limited		 Not limited	
101111	1	Low strength	11.00		0.16		
	i			saturated zone			i
	İ	Frost action	0.50				i
	1	1		I		I	1

Emmet County, Iowa

Map symbol and soil name	 Pct. of map unit	Local roads and streets		 Shallow excavati 	 Shallow excavations 		aping
	 _	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features 	
5010: Pits	 - 100 	 Not rated 	 	 Not rated 	 	 Not rated 	
5040: Orthents	 - 100	 Not rated 		 Not rated 	 	 Not rated 	
5043: Orthents	 - 100 	 Not rated 		 Not rated 		 Not rated 	
W: Water	 - 100 	 Not rated 	 	 Not rated 	 	 Not rated 	
	 _	 	 	 	 _	 	 _